

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Development of Climate Monitoring Protocols for the Greater Yellowstone Network
Type of Project: Technical Assistance
Funding Agency: National Park Service
Other Partners/Cooperators: Montana State University
Effective Dates: April 1, 2004 - September 30, 2005
Funding Amount: \$39997
Investigators and Agency Representative: PRINCIPAL INVESTIGATOR: Lisa J. Graumlich, Montana State University, Big Sky Institute, 232 ^E AJM Johnson Hall, Montana State University, Bozeman, MT 59717; 406/994-5320; (fax) 406-994-5122; lisa@montana.edu NPS KEY OFFICIAL: Robert Bennetts, Greater Yellowstone I&M Network, 1648 South 7 th Ave Bozeman, MT 59717, 406-994-2281 ; (fax) 406-994-4160; Robert_Bennetts@nps.gov
Project Abstract: One of the goals of the National Park Service (NPS) Inventory and Monitoring (I & M) program is to initiate long-term monitoring of natural resources within its parks. Climate is a major ecological driver within this ecosystem, which can significantly influence the status of natural resources within parks. Initial efforts at formulating conceptual models has further indicated climate as being one of the primary influences on a number of our vital signs, and is itself considered a vital sign as a result of this influence. Thus, the development of specific climate monitoring objectives and protocols will have an important role that will permeate through the entire vital signs monitoring program. This project will be a sequential combination of synthesizing existing information from a wide variety of data sources, so as to inform the process of developing monitoring objectives, which will then in turn provide the basis for developing monitoring protocols. As such, this project will necessitate a significant cooperation between NPS and the cooperator to ensure that the monitoring objectives reflect the needs of the GRYN monitoring program, and that the protocols developed reflect the specific monitoring objectives identified.
Outcomes with completion dates: <ol style="list-style-type: none">1. Detailed Study Plan - July 15, 20042. Conceptual Model(s) - July 15, 20043. Draft Monitoring Objectives - July 31, 20044. Draft Monitoring Protocols - January 31, 20055. Final Report - March 31, 20056. Data / Meta Data - June 30, 2005
Keywords: climate monitoring, Vital Signs Monitoring Program, Greater Yellowstone Network, Montana State University
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